

REMARKS

The above amendments to the above-captioned application along with the following remarks are being submitted as a full and complete response to the Official Action dated March 16, 2004. In view of the above amendments and the following remarks, the Examiner is respectfully requested to give due reconsideration to this application, to indicate the allowability of the claims, and to pass this case to issue.

Status of the Claims

Claims 1-7 are under consideration in this application. Claims 1 and 5-6 are being amended, as set forth above, in order to more particularly define and distinctly claim Applicants' invention. A new claim 7 is being added to recite other embodiments described in the specification.

Additional Amendments

The claims are being amended to correct formal errors and/or to better disclose or describe the features of the present invention as claimed. Applicants hereby submit that no new matter is being introduced into the application through the submission of this response.

Allowable Subject Matters

Claim 6 would be allowed if it is rewritten in independent form to include all the limitations of the base claims and any intervening claims. As claim 6 is being rewritten in independent form to include all the limitations of the base claims and any intervening claims, claim 6 is in condition for allowance.

Prior Art Rejections

Claims 1, and 3-5 were recited under 35 U.S.C. § 102(b) as being anticipated by U.S. Pat. No. 5,282,094 to Ngo (hereinafter "Ngo"), and further rejected claims 1-5 under 35 U.S.C. § 102(e) as being anticipated by U.S. Pat. No. 6,614,273 to Teterud (hereinafter "Teterud"). These rejections have been carefully considered, but are most respectfully traversed.

The magnetic head driving circuit of the invention (e.g., Fig. 1), as now recited in claim 1, comprises: a coil 9 for generating a magnetic field corresponding to data to be recorded; a main driving circuit 2 for making a current flow in a positive direction or a negative direction through said coil 9; and a sub-driving circuit 10 for applying a voltage symmetrical with respect to the centered coil 9 by superposing a pair of pulse voltages corresponding to a change-over direction at both terminals of said coil 9. In particular, the sub-driving circuit 10 is configured to superpose said pair of pulse voltages such that a potential difference equal to or greater than a power supply applied to said both terminals of said coil 9 (p. 6, lines 15-20). As such, the reversal of the current of the coil is enhanced, and the central potential of the coil being near the disk potential is driven stably (p. 6, lines 20-23).

The invention, as now recited in claim 5, is also directed to a magnetic recording apparatus provided with the magnetic head driving circuit recited in claim 1 further comprising: a magnetic disk for recording data and a controller for generating the data to be recorded on said magnetic disk.

Applicants respectfully contend that neither Ngo nor Teterud teaches or suggests such a "sub-driving circuit configured to superpose said pair of pulse voltages such that a potential difference equal to or greater than a power supply applied to said both terminals of said coil" as in the present invention.

Since neither Ngo nor Teterud teaches or discloses each and every feature of the present invention as disclosed in independent claims 1 and 5, the present invention as now claimed is distinguishable and thereby allowable over the rejections raised in the Office Action. The withdrawal of the outstanding prior art rejections is in order, and is respectfully solicited.

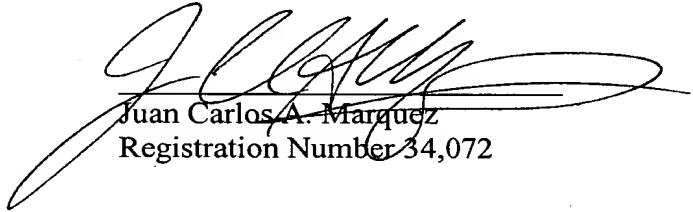
Conclusion

In view of all the above, clear and distinct differences as discussed exist between the present invention as now claimed and the prior art references upon which the rejections in the Office Action rely, Applicants respectfully contend that the prior art references cannot anticipate the present invention or render the present invention obvious. Rather, the present invention as a whole is distinguishable, and thereby allowable over the prior art.

Favorable reconsideration of this application is respectfully solicited. Should there be any outstanding issues requiring discussion that would further the prosecution and allowance of the above-captioned application, the Examiner is invited to contact the Applicants' undersigned representative at the address and phone number indicated below.

Respectfully submitted,

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